



ATTORNEY DOCKET NO. 21087.0025U2  
APPLICATION NO. 10/780,916

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
Wang et al. ) Group Art Unit: 2882  
Application No.: 10/780,916 ) Confirmation No. 7567  
Filed: February 17, 2004 )  
For: **METHODS AND DEVICES FOR CT RECONSTRUCTION** )  
**USING A GRANGEAT APPROACH** )

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer No. 23859

July 15, 2004

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying modified form PTO-1449 is a listing of documents known to the Applicants and/or their attorneys. Copies of these documents are enclosed. This Information Disclosure Statement is submitted pursuant to 37 C.F.R. § 1.97(c)(1).

This Information Disclosure Statement is believed to be filed in a timely manner in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.

Consideration of the cited documents and making the same of record in the prosecution of the above-captioned application are respectfully requested.

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No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or to credit any excess, to Deposit Account No. 14-0629.

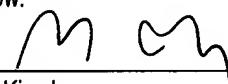
Respectfully submitted,

  
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Gregory J. Kirsch  
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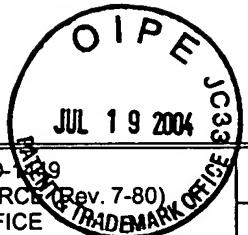
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

  
\_\_\_\_\_  
Gregory J. Kirsch

15 JULY 2004  
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Date



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APPLICATIONNO. 10/780,916  
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Supplementary Modified Form PTO-129 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 21087.0025U2	APPLICATION NO. 10/780,916
APPLICANT: Wang et al.		
FILING DATE: February 17, 2004		GROUP: 2882

**U.S. PATENTED DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

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**OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)**

B1	"Guest Editorial Multirow Detector and Cone-Beam Spiral/Helical CT", Wang et al., <i>IEEE Transactions On Medical Imaging</i> , Vol. 19, No. 9, September 2000, pp 817-821.
B2	"A Grangeat-type half-scan algorithm for cone-beam CT", Lee et al., <i>Med. Phys.</i> , Vol. 30, No. 4, April 2003, pp 689-700.
B3	"Grangeat-type helical half-scan computerized tomography algorithm for reconstruction of a short object", Lee et al., <i>Med. Phys.</i> , Vol. 31, No. 1, January 2004, pp 4-16.
B4	"Half-scan cone-beam CT fluoroscopy with multiple x-ray sources", Liu et al., <i>Med. Phys.</i> , Vol. 28, No. 7, July 2001, pp 1466-1471.
B5	"Image reconstruction from fan-beam projections on less than a short scan", Noo et al., <i>Phys. Med. Biol.</i> , Vol. 47, 2002, pp 2525-2546.
B6	"A Cone-Beam Reconstruction Algorithm Using Shift-Variant Filtering and Cone-Beam Backprojection", Defrise et al., <i>IEEE Transactions On Medical Imaging</i> , Vol. 13, No. 1, March 1994, pp 186-195.
B7	"A General Cone-Beam Reconstruction Algorithm", Wang et al., <i>IEEE Transactions On Medical Imaging</i> , Vol. 12, No. 9, September 1993, pp 486-496.
B8	"Theoretically Exact Filtered Backprojection-Type Inversion Algorithm For Spiral CT", Alexander Katsevich, <i>SIAM J. APPL. MATH.</i> , Vol. 62, No. 6, 2002, pp 2012-2026.
B9	"Microlocal Analysis of an FBP Algorithm for Truncated Spiral Cone Beam Data", Alexander Katsevich, <i>The Journal of Fourier Analysis and Applications</i> , Vol. 8, Issue 5, 2002 pp 407-425.
B10	"Mathematical Framework Of Cone Beam 3D Reconstruction Via The First Derivative Of The Radon Transform", Pierre Grangeat, <i>Leti/Dsys/Setia/100392/C433-1</i> , March 10, 1992, pp 1-32.
B11	"Artifacts associated with implementation of the Grangeat formula", Lee et al., <i>Med. Phys.</i> , Vol. 29, No. 12, December 2002, pp 2871-2880.

EXAMINER:	DATE CONSIDERED:
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.